Here's to the crazy ones.

The misfits. The rebels. The troublemakers. The round pegs in the square holes. The ones who see things differently. They're not fond of rules. And they have no respect for the status quo. You can quote them, disagree with them, glorify or vilify them. About the only thing you can't do is ignore them. Because they change things. They push the human race forward. While some may see them as the crazy ones, we see genius. Because the people who are crazy enough to think they can change the world, are the ones who do.

- Apple Advertisement 1997 -



IT's New Day

Chris Estes | North Carolina Office of Information Technology

Agenda

ITS/SCIO Overview

SCIO/ITS Funding

SCIO/ITS Projects

Innovation Center Tour

ITS/SCIO Overview

Governor McCrory's 3 E's

Streamlining operations improves products and services

FOCUS ON

"...three key functions:
our economy, our
education, and the
efficiency of our
services."



Education

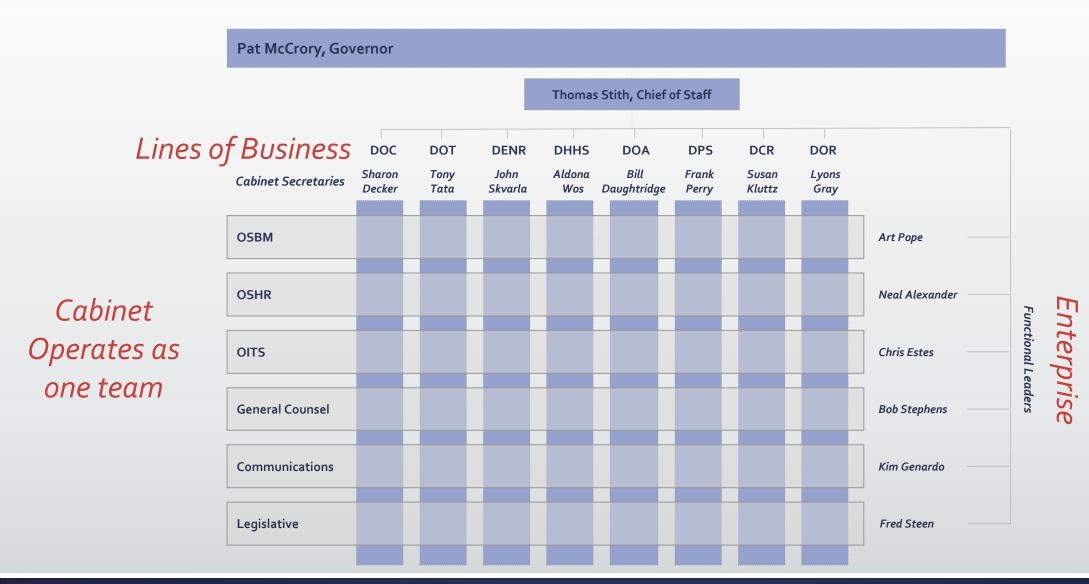
Economy

Efficiency



Cabinet working as a **team**

Governor is breaking down silos to improve customer service and efficiency



The way we manage and govern IT is broken

Too much duplication, too many systems and too many stovepipes

By aligning technology choices, we save money and share data

Today













We're an auto parts company

Where we need to be



We need State Technology Car

Governor's budget request

~March 2013

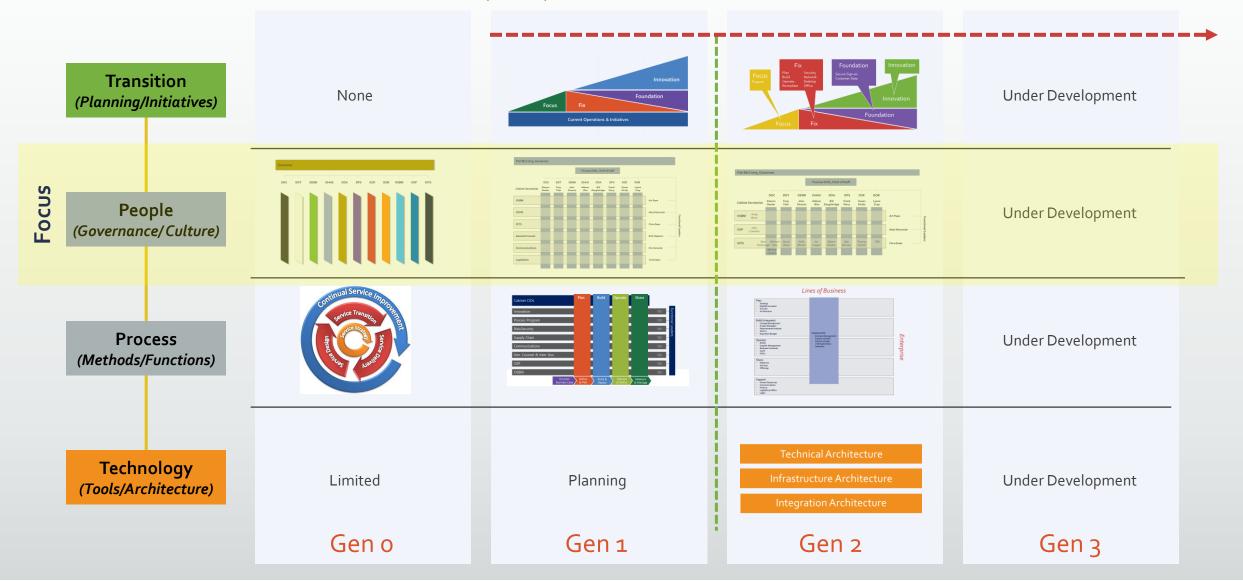
Fix & Modernize IT

Pick a focus
 IT Reserve Fund
 Fix IT Functions
 Repair Internal Service Fund
 Line Up Leadership
 Bring H.O.P.E.
 Align Technology
 Transition
 Process
 Process
 People
 Technology

Transition Approach

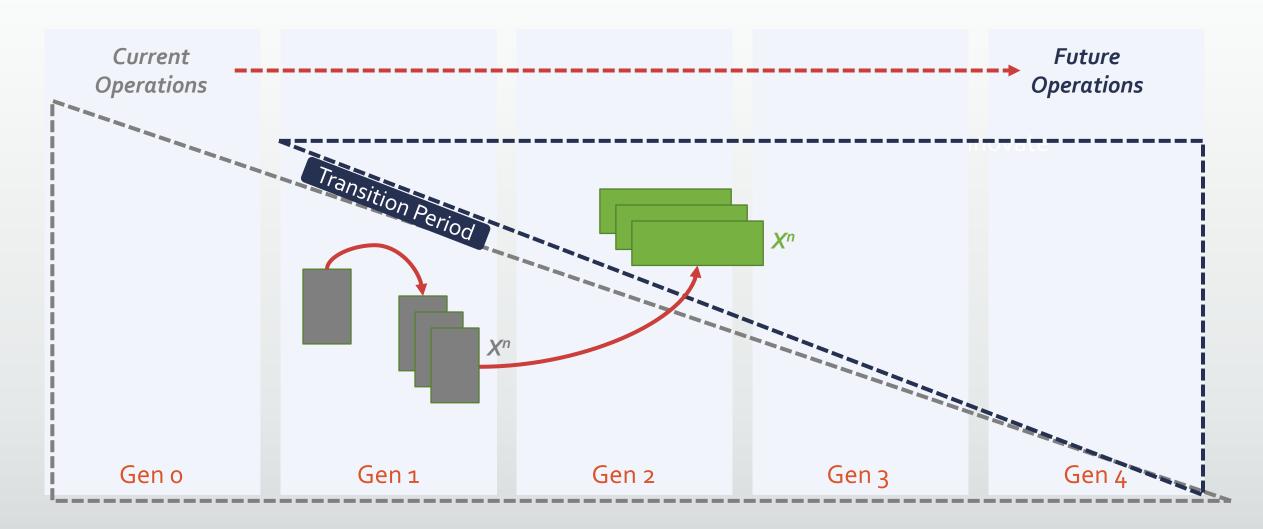
Over time in Generations (Gen)

We are Here



IT operations transition

This is a transformation of the state's IT operations



New IT mission and strategy

Governor's Vision

Focus on Consumer

"Interacting with government should be as **consumer friendly** and **cost effective** as checking the latest scores or shopping on a **smartphone**." *Governor Pat McCrory*



IT's Mission

What IT will do

Promote a stronger North Carolina that **connects** customers - citizens, business, education and government



ABC Strategy

How we will do IT

Accelerate consumer orientation
 Balance innovation and risk
 Collaborate as ONE IT
 Deliver effective operations



Enterprise IT Functions

, IP

Plan

Strategy Digital/Innovation Security Architecture

- Enterprise
- Business
- Application
- Technical
- Infrastructure
- Integration
- Information
- Security

Build (Integrate)

Change Management

- Project Managers
- Requirements Analysts

SDLC's

Expansion Budget

- Desktop (Consumer)
- Secure Sign-on
- Desktop Software
- Remediation
- Network Simplification
- Plan
- Operate
- Customer Data
- Security

Operate

EPMO

Supplier Management Business Continuity

Audit

Policy

- Procedures
- Rules
- KPI
- UAS

Share

Platforms

- Ema
- Compute
- Storage
- Network
- Data Center

Services

- Call Center
- IAM/NCID
- Virtualization
- Common Payment
- GCIA
- 911

Offers

- SAP
- GDAC
- Digital
- Mobility

Support

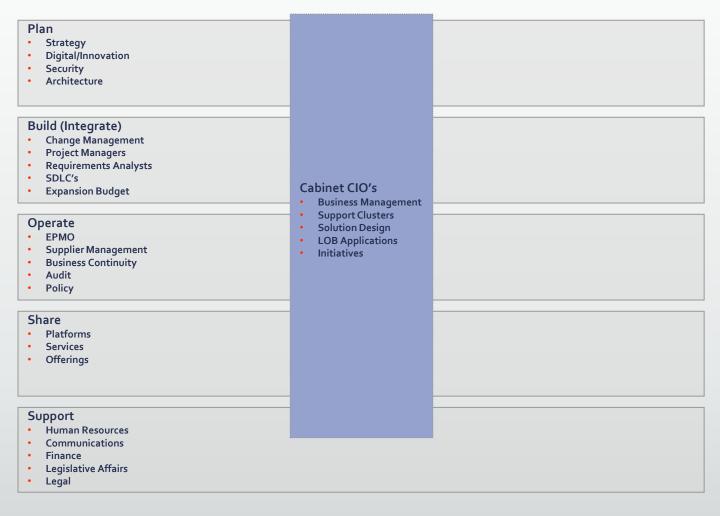
Human Resources Finance Legislative Affairs Legal Communications

Enterprise functions move horizontal

Currently aligning functions in matrix down

Lines of Business







Introducing Center of Excellence (CoE)



- "The CoE should, at a most basic level consist of: A team of people that promote collaboration and using best practices around a specific focus area to drive business results."*
- The CoE contains several teams:
 - 1. <u>Steering Committee</u> provides overall direction to ensure the mission is achieved while maintaining appropriate governance and act as an escalation point for decisions.
 - 2. <u>Program Management</u> handles operational aspects, such as: planning, supply/demand assumptions, communications, measurement and financial reporting.
 - 3. <u>Common Services</u> responsible for the "cross-cutting" activities, such as tool/technology support and maintenance; method and process development and improvement; and enablement of delivery.
 - 4. <u>Working Groups</u> responsible for ensuring adoption and optimization of the solution within their area of responsibility and for coordination with other working groups around interdependent activities.

*Source: Strickler, J. "What is a Center of Excellence."

Statewide IT

October 2013





Consumer Platform CoE

November 2013





Six Consumer Clusters

Lining up leadership matrix

As of November there are 11 new leaders and 5 new functions

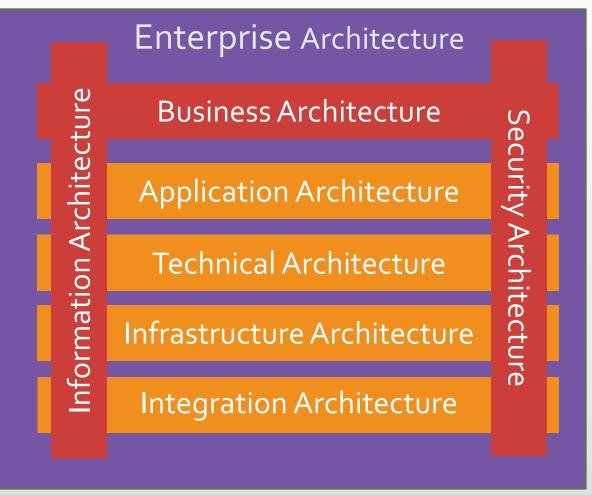


Align Technology

Enterprise Architecture is the state technology car



By unifying technology, we share data more efficiently.



Technology focus Gen 2

Initial focus is on extend core, consumer orientation, and cloud transition

- Extend core offerings
 - ERP System
 - Security
- Consumer orientation
 - Desktop
 - Productivity/collaboration tools
 - Virtual Desktop
- Cloud transition
 - Core platform upgrade
 - "Data Center in Box"

Technical Architecture

Infrastructure Architecture

Integration Architecture

SCIO/ITS Funding

Fixing IT Rate Activities

Ongoing culture and process change required

- Line-by-line budget of each service being reviewed by new leadership
- Completed FY 14-15 Budget and identified enhancements to process which are to be reviewed and approved by OSBM – highlighting inter-agency cross charges and overhead allocations for greater transparency
- Implemented BRITE tool to provide enhanced agency access to data, greater transparency of rates and improved billing process
- Conducted benchmark study of current ITS rates across 7 pillars with VMWare database consisting of data from over 600 peer entities – results under review
- RFP out for independent third party assessment of ITS rate setting methodology and calculations. First attempt was opened on 3/22 and was cancelled on 6/3. The second attempt was opened 10/3 and closes 11/15. Plan on work beginning 12/2.
- Alternative methods of allocating IT cost are being evaluated and discussed with OSBM to simplify and reduce administrative cost for some of the rate categories – this will lead to better visibility to true cost to deliver services

IT Service Fund tool update

BRITE (Budget and Reporting IT Expenditures)

- Provide easier access to consumption and billing data.
- Provides automated tool that tracks expenditures and receipts against planned budget.
- Is up and running on Oct 14, 2013 in parallel for testing
- Pilot users have been trained
- FY14-15 plan data into the system and internal reviews are underway
- Benchmark data is in process

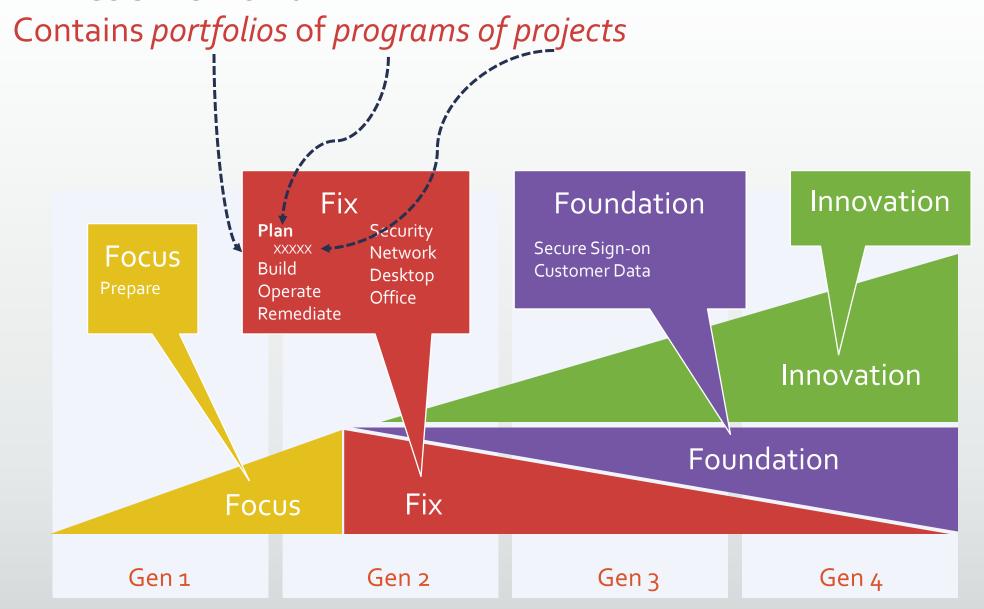
Cost Analysis Dashboard



IT Statement & Invoices



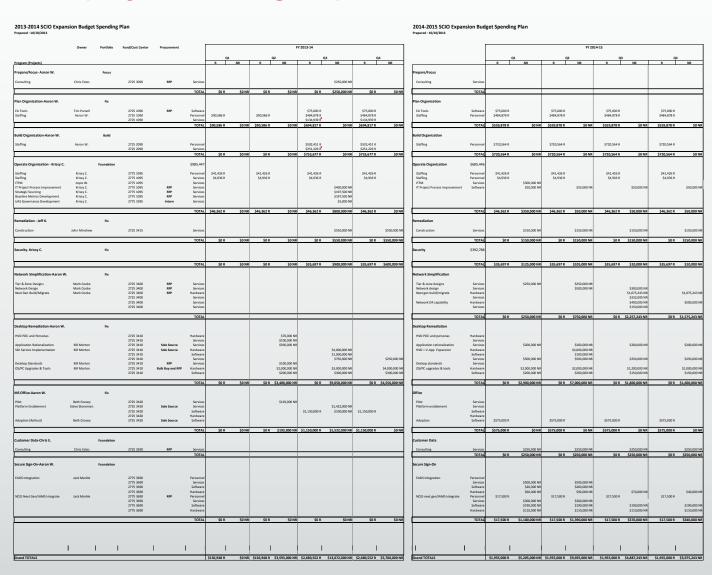
IT Reserve Fund



IT Reserve Fund

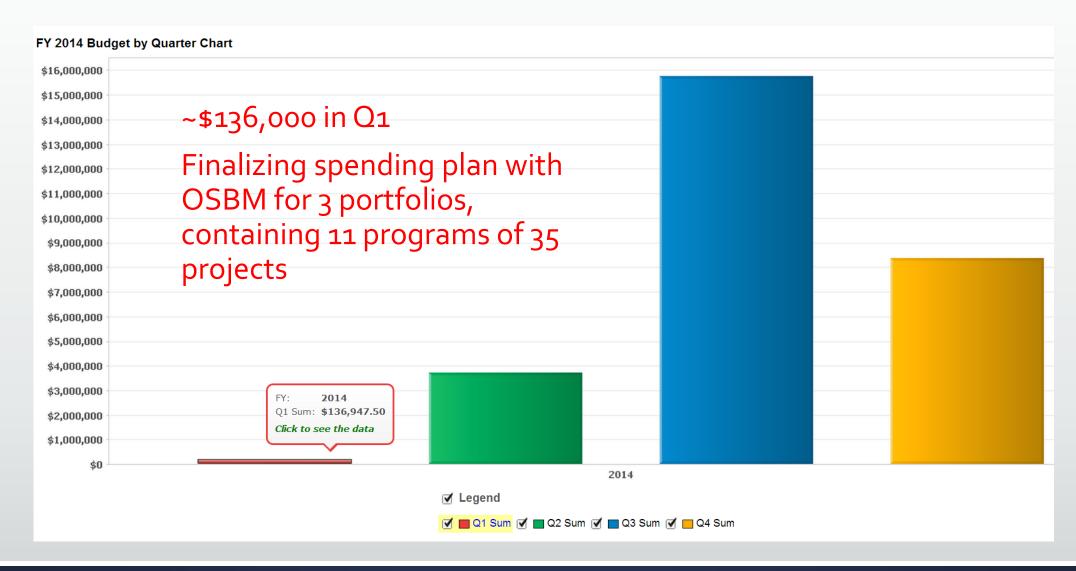
Funding by portfolio, program, and project over eight quarters

- 3 portfolios, containing 11 programs of 35 projects
- Establishing new governance to avoid past mistakes
- Owners assigned at project level
- Finalizing project activities
- OSBM reviewing for approval
- Innovation Dashboards
 - Timeline
 - Financial



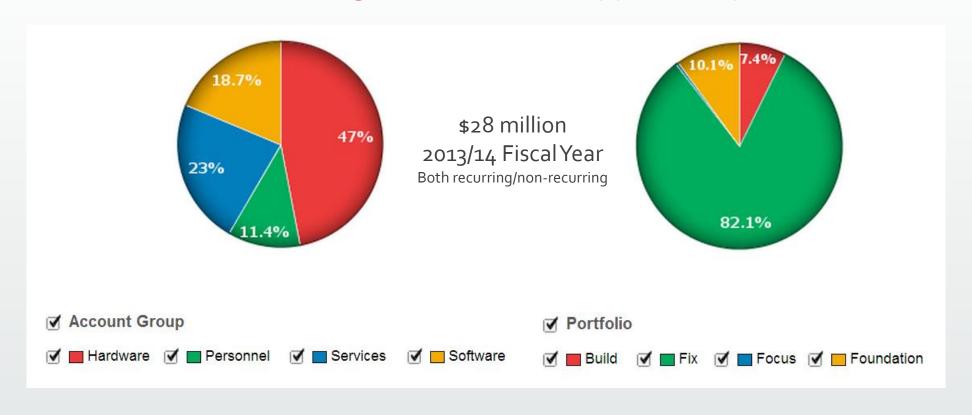
First Quarter Focus

Limited spending in Q1 to focus on planning



Planned spending for remainder of FY

IT Reserve Fund transferring to IT Fund then approved by OSBM



- Deploy new hardware for desktop remediation
- Productivity and collaboration software tools
- Hiring state employees in leadership, requirements analysis and project management

Desktop Remediation

Sample of the project detail by eight quarters

	Projects	FY	Account Grp	Q1_R	Q1_NR	Q2_R	Q2_NR	Q3_R	Q3_NR	Q4_R	Q4_NR
1	Application Rationalization	2014	Services	\$0.00	\$0.00	\$0.00	\$930,000.00	\$0.00	\$0.00	\$0.00	\$0.00
2	Application rationalization	2015	Services	\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$200,000.00
3	Deskop standards	2015	Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	Desktop Standards	2014	Services	\$0.00	\$0.00	\$0.00	\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00
5	HVD + V-App Expansion	2015	Hardware	\$0.00	\$0.00	\$0.00	\$4,000,000.00	\$0.00	\$0.00	\$0.00	\$0.00
6			Services	\$0.00	\$500,000.00	⊅ 0.00	\$500,000.00	\$0.00	\$250,000.00	\$0.00	\$250,000.00
7			Software	\$0.00	\$0.00	\$0.00	\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00
8	HVD POC and Personas	2014	Hardware	\$0.00	\$0.1	\$0.00	\$70,000.00	\$0.00	\$0.00	\$0.00	\$0.00
9			Services	\$0.00	\$ 7.00	\$0.00	\$100,000.00	\$0.00	\$0.00	\$0.00	\$0.00
10	OS/PC Upgrades & Tools	2014	Hardware	\$0.00	\$0.00	\$0.00	\$2,000,000.00	\$0.00	\$3,000,000.00	\$0.00	\$4,000,000.00
11			Software	\$0.00	\$0.00	\$0.00	\$200,000.00	\$0.00	\$300,000.00	\$0.00	\$300,000.00
12	OS/PC upgrades & tools	2015	Hardware	\$0.00	\$2,000,000.00	\$0.00	\$2,000,000.00	\$0.00	\$1,200,000.00	\$0.00	\$1,000,000.00
13			Software	\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$0.00	\$150,000.00	\$0.00	\$150,000.00
14	VDI Service Implementation	2014	Hardware	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000,000.00	\$0.00	\$0.00
15			Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$750,000.00	\$0.00	\$250,000.00
16			Software	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,000,000.00	\$0.00	\$0.00

Accomplishments Highlights

- Accelerate consumer orientation
 - Persona work
 - Established Consumer Platform CoE
 - Modernize consumer orientation (iphone)
 - Improving nc.gov and started One-Stop
 - Procurement rules changes for more transparency and digital delivery of bids
 - Started NC Connect
- Balance innovation and risk
 - Establish and sustain innovation (iCenter)
 - Testing before we buy HVD
 - MOU with NC State that includes Office space, internship, and class work
 - UNC Chapel upcoming consulting class on operational risk and HR alignment
 - Vendor training of state employees
 - Vendor demos to CIO's
 - Improve information security
 - Pending MOU with National Guard

- Collaborate as ONE IT
 - IT Reserve Fund Planning
 - Establish new matrix governance including 5 new enterprise positions and hired 11 new leaders
 - Established CoE's
 - Piloting enterprise collaboration tools
 - Streamline contracting to simply agreements and save resources
 - Improving EPMO, requirements, project management an change management capability
 - Restructuring multiple projects
- Deliver effective operations
 - Updated and consolidated key vendor agreements
 - Establishing consistent career path for IT professionals
 - Updating key infrastructure
 - Deploying transparency end to end
 - GDAC transition
 - Started Statewide IT Restructuring Committee

SCIO/ITS Projects



Microsoft Office 365 Pilot Project

Project Ownership					
Agency	Office of Information Technology				
	Services				

Project Summary

The State needs to update productivity suite licensing for over 50,000 users and desires a subscription-based licensing model for a cloud solution to remove the cyclical IT investment challenge by providing 'always current' software with predictable costs. This pilot project is to implement the Microsoft's Office365 platform for Government for a subset of agencies to prove the migration requirements and functionality. Upon successful pilot completion a new project will launch to implement the cloud solution across the 50,000 targeted users. With the cloud model, agency users can access current versions of Office productivity products from any connected location and across multiple devices. This solution includes Microsoft Word, Excel, PowerPoint and Outlook. It also includes SharePoint and Lync for collaboration and communication through instant messaging, desktop sharing, web conferencing and document management.

Project Budget Original Estimate Baseline Budget Current Budget Variance Actual Costs Project Budget \$712,204 na \$712,204 0.00% \$419,75	Project Financials					
	1 Tojece Tillanelais	Original Estimate	Baseline Budget	Current Budget	Variance	Actual Costs
5 Year Operations and Maintenance \$0 na \$0 na	Project Budget	\$712,204	na	\$712,204	0.00%	\$419,750
o real operations and Maintenance to the the transfer of the t	5 Year Operations and Maintenance	\$0	na	\$0	na	na

Operations and maintenance will be determined at end of project and will be included with future implementation project.

Project Rat		
		Up to 200 people from the SCIO
Overall Project Schedule		office and OHSR as part of the
		pilot.
Project Budget		
		On target

roject Schedule	Go-Live Date	12/4/2013		
	Planning and Design	Execute and Build	Implement	
Planned	10/25/2013	11/15/2013	12/20/2013	
Forecast	10/25/2013	11/15/2013	12/20/2013	
Actual	TBD			

Key Information and Risks

Pilot results will take place from December 4th to December 20th.

This pilot was granted conditional approval through Gate 1 to allow for additional planning and testing.

Upon completion of pilot, a new project will be created to implement Microsoft Office365 for 50,000+ state employees.

Hosted Virtual Deskop Proof of Concept

Project Ownership Agency Office of Information Technology Services

Project Summary

This project is a Proof of Concept effort to demonstrate:

- 1) the processes required to implement the solution and deploy the service to end users
- 2) hosted virtual desktop functionality
- 3) end-user acceptance of the virtual desktop.

Project Financials					
1 Toject Tillaliciais	Original Estimate	Baseline Budget	Current Budget	Variance	Actual Costs
Project Budget	\$1,720,291	na	\$1,720,291	0.00%	\$0
5 Year Operations and Maintenance	\$0	na	\$0	na	\$0

Project Rat		
Overall Project Schedule		Drainet is an track
		Project is on track.
		Much of cost is vendor equipment
Project Budget		on loan and service credits to run
		proof of concept.

Project Schedule	Go-Live Date	NA		
	User Evaluation	Project End		
Planned	12/1/2013-12/31/2013	1/31/2014		
Actual				

Key Information and Risks

Using the "Innovation Center" and "Try Before You Buy" concept, this project will have a test group of 100 people to try out this technology. A virtual desktop allows a person to manage their work information independent from a device like a desktop, laptop, netbook or tablet.

If the proof of concept is successful, then a new project to implement the technology will be created.

The project budget estimate of \$1.7MM is inclusive of the purchase price of the hardware, however the hardware is on loan and the proof of concept actual out of pocket cost is \$170k.

Enterprise Active Directory - DPS

Project Ownership

Agency Office of Information Technology Services

Project Summary

Implement an integrated, enterprise directory service based on Active Directory (AD) to reduce redundant technology and enhance manageability of applications for Department of Public Safety.

Project Financials					
1 Tojece i manerais	Original Estimate	Baseline Budget	Current Budget	Variance	Actual Costs
Project Budget	\$2,127,334	\$2,127,334	\$2,848,362	33.89%	\$1,514,260
5 Year Operations and Maintenance	\$3,669,847	na	\$3,669,847	na	\$0

Budget increase due to moving active directory servers from Joint Force Headquarters project to this project, \$721,028.

Project Rat		
Overall Project Schedule		On schedule
Project Budget		Move budget for servers from one project to this one.

Durations Coloradula	Go-Live Date	7/24/2014		
Project Schedule	Initiation/Planning and Design	Execute and Build	Implementation	In execute and build, multiple divisions are being completed. Implementation date is based on completion of final division within
Planned	4/12/2013	7/14/2014	7/24/2014	
Forecast	4/12/2013	7/14/2014	7/24/2014	DPS.
Actual	4/12/2013			

Key Information and Risks

Potential risk due to lack of active directory resources.

Due to the cost of migration and the transition period to get full adoption of EAD, the interim rate structure creates budget issues for some agencies which may impact the speed of adoption.

Enterprise Active Directory - DHHS

Project Ownership

Agency Office of Information Technology Services

Project Summary

Implement an integrated, enterprise directory service based on Active Directory (AD) to reduce redundant technology and enhance manageability of applications for the Department of Health and Human Services.

Project Financials					
1 Tojece i manerais	Original Estimate	Baseline Budget	Current Budget	Variance	Actual Costs
Project Budget	\$1,058,189	\$1,058,189	\$1,058,189	0.00%	\$858,058
5 Year Operations and Maintenance	\$2,288,378	na	\$2,288,378	na	\$0

Project Rat	ing	
Overall Project Schedule		See Key Information
Project Budget		On budget

	Go-Live Date	7/24/2014			
Project Schedule	Initiation/Planning and Design	Execute and Build	Implementation		n ex mp
Planned	1/21/2013	12/23/2013	12/25/2013		•
Forecast	1/21/2013	12/23/2013	12/25/2013	D	HH
Actual	1/21/2013				

In execute and build, multiple divisions are being completed.

Implementation date is based pm completion of final division within DHHS.

Key Information and Risks

Project paused while funding needed to pay for service is reviewed. This has the potential to delay the schedule.

Due to the cost of migration and the transition period to get full adoption of EAD, the interim rate structure creates budget issues for some agencies which may impact the speed of adoption.

ITS Fiscal Management

Project Ownership

Agency Office of Information Technology Services

Project Summary

Implement an IT Financial Management (ITFM) system to provide a foundation upon which to improve the maturity of ITS fiscal practices overall.

The implementation of a comprehensive ITFM system will help ITS produce the following outcomes:

- Meet new legislative and agency expectations for accurate, timely billing and chargeback of ITS services
- Improve financial decision-making and associated investment strategies
- Eliminate obsolete IT systems and associated costs
- Reduce manual processes

Project Financials					
1 Toject Tituliciais	Original Estimate	Baseline Budget	Current Budget	Variance	Actual Costs
Project Budget	\$341,990	na	\$341,990	79.21%	\$612,864
5 Year Operations and Maintenance	\$716,490	na	\$716,490	na	\$0

Project is over budget due to unanticipated need for internal resources (appx \$200,000) and external resources (appx \$71,000) to help with providing data and information to configure application.

Project Rat	ing	
Overall Project Schedule		Slight slippage due to change in business sponsor (ITS CFO).
Project Budget		Internal and External Resources expended \$271,000 more work effort than originally planned.

Dualant Cabadula	Go-Live Date	NA			
Project Schedule	Initiation/Planning and Design	Execute and Build	Implementation		Application is in production, continuing to monitor for defects. Continue to provide training.
Planned	12/30/2012	4/12/2013	6/28/2013		provide training.
Forecast	9/30/2013	9/30/2013	11/4/2013		
Actual	9/30/2013	9/30/2013	11/4/2013		

Key Information and Risks

This is first stage which covers all ITS Service except for telecom and network billing. There will be a separate project for network and telecom billing.

ITS Rate Review

Project Ownership

Agency Office of Information Technology Services

Project Summary

Acquire an external third party to independently assess the ITS rate structure and rates, provide benchmark rates for comparison purposes, determine if the number and composition of the rates are appropriate for the business services being delivered, validate that the rate building methodology is following best practices or make recommendations for change, determine if there are services which ITS should not be delivering because it is unable to do so at a competitive market rate and provide recommendations for change to improve the rate setting methodology.

Project Financials					
1 Tojece i manerais	Original Estimate Baseline Budget		Current Budget	Variance	Actual Costs
Project Budget	\$387,500	na	\$387,500	0.00%	\$0
5 Year Operations and Maintenance	\$0	na	\$0	na	\$0

Project Rat	ting	
		First procurement resulted in one
Overall Project Schedule		vendor and proposal was not
		acceptable.
		Budget has not been spent due to
Project Budget		first procurement being cancelled.

Project Schedule	Go-Live Date	NA		
	Procurement	Project End		Procurement for extern
Planned	11/15/2013	2/28/2014		
Actual				and proposal was not a

Procurement for external third party assessment resulted in only one bidder and proposal was not acceptable. Second posting is out for vendor response.

Key Information and Risks

Procurement to acquire an external third party independent assessment has been re-posted. New posting has redefined requirements.

RFP is still being competed. Once awarded, this is to be a short, focused initiative, with the expectation that the vendor will complete the effort in approximately 8 weeks.

Innovation Center Tour

